

4.2.D. 05130204040.

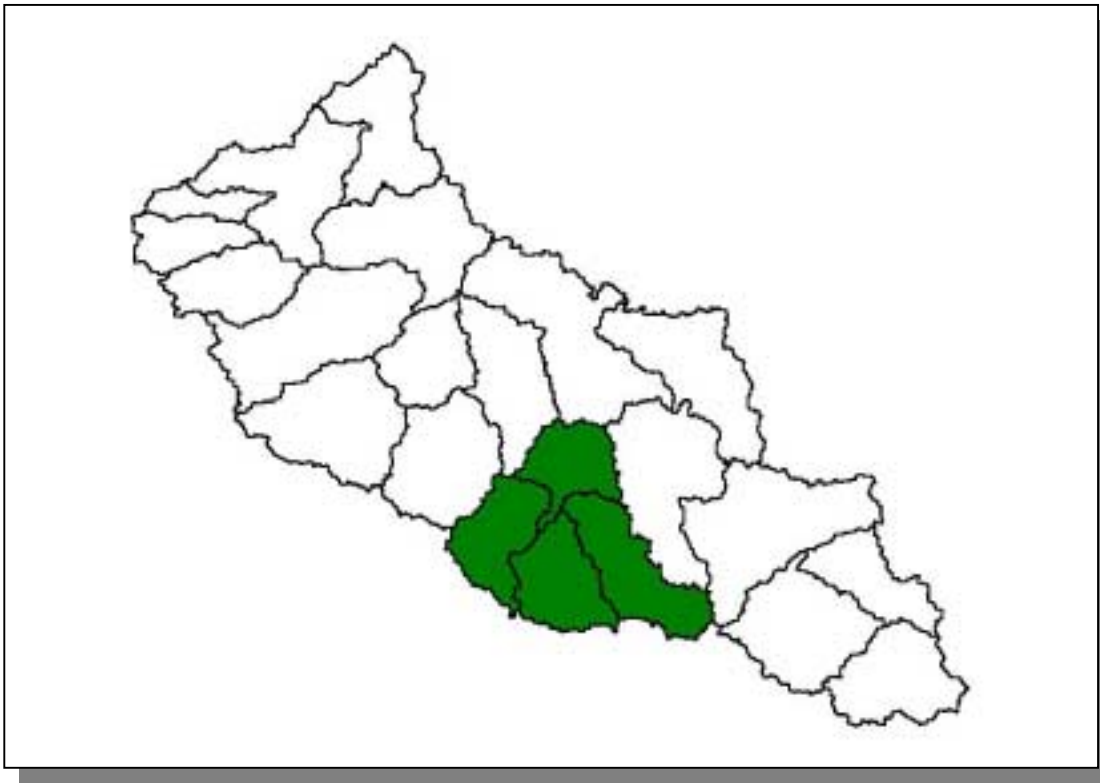


Figure 4-25. Location of Subwatershed 05130204040. All Harpeth HUC-14 subwatershed boundaries are shown for reference.

4.2.D.i. General Description.

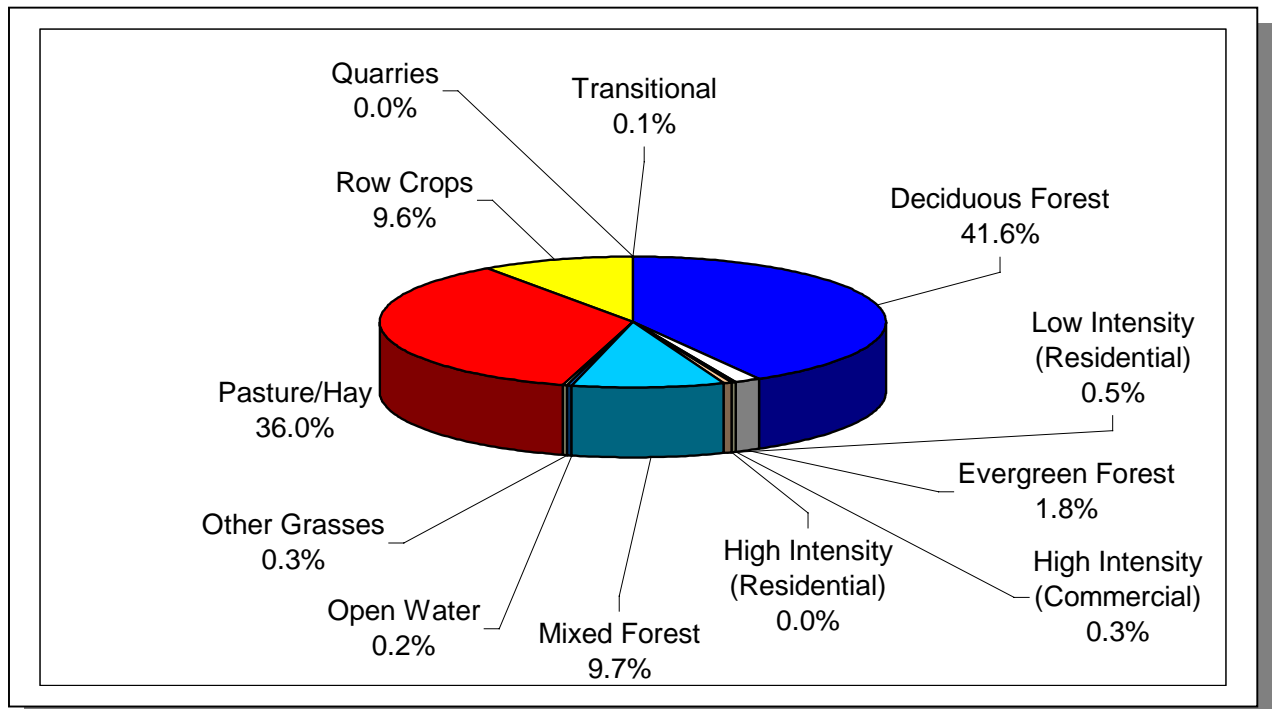


Figure 4-26. Land Use Distribution in Subwatershed 05130204040. More information is provided in Harpeth-Appendix IV.

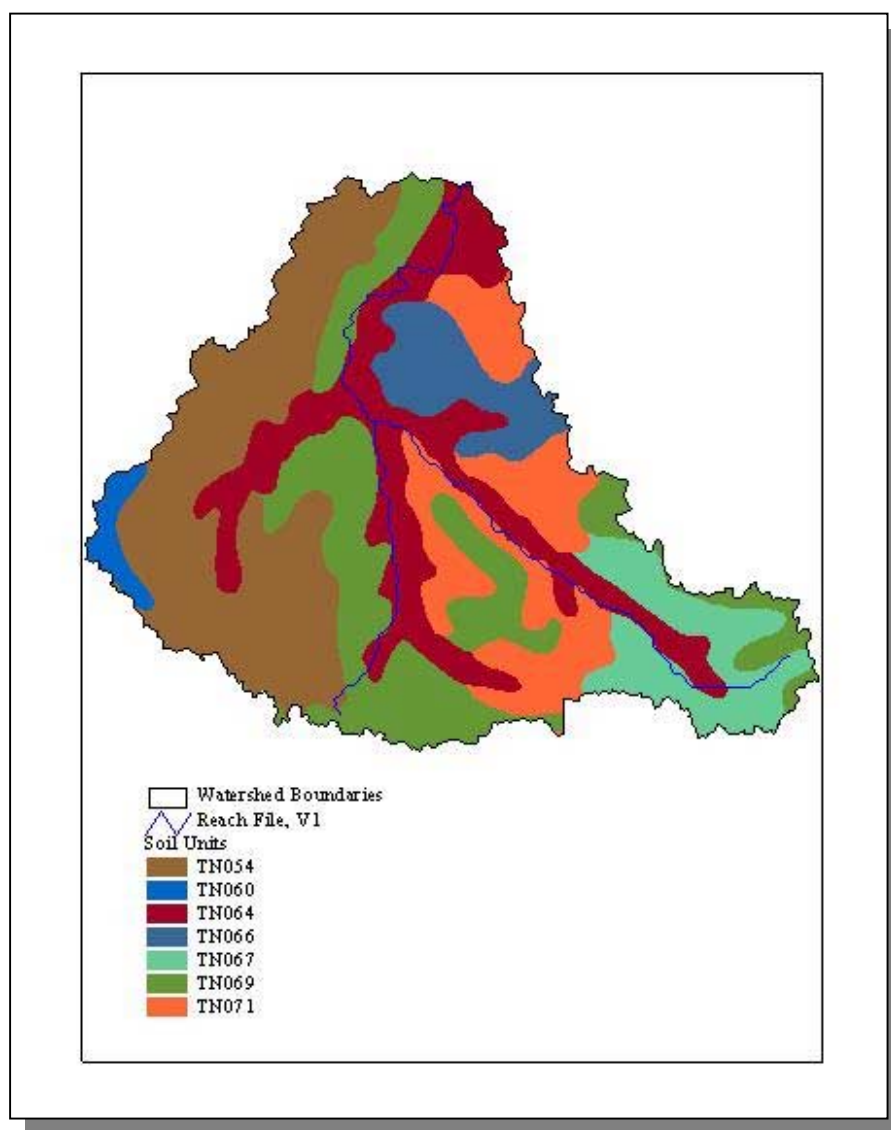


Figure 4-27. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130204040.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN064	7.00	C	1.19	5.82	Silty Loam	0.37
TN066	0.00	B	2.62	4.75	Loam	0.28
TN067	2.00	C	2.69	5.51	Silty Loam	0.35
TN069	0.00	C	2.06	5.36	Loam	0.34
TN071	0.00	C	2.37	5.70	Silty Loam	0.33

Table 4-27. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130204040. More information is provided in Harpeth-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Maury	54,812	68,268	0.02	13	17	30.8
Williamson	81,021	111,453	20.21	16,374	22,524	37.6
Totals	135,833	179,721		16,387	22,541	37.6

Table 4-28. Population Estimates in Subwatershed 05130204040.

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Franklin	Williamson	20,098	8,748	8,458	282.0	8.0
Spring Hill	Williamson	1,458	578	351	222.0	5.0
Totals		21,556	9,326	8,809	504.0	13.0

Table 4-29. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 05130204040.

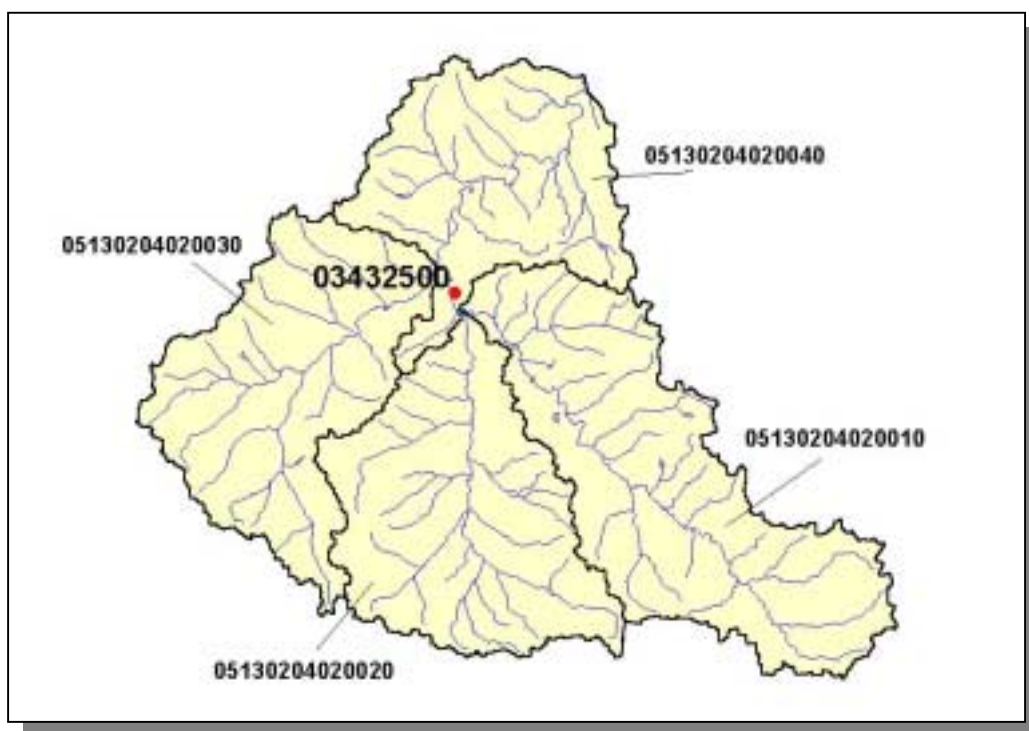


Figure 4-28. Location of Historical Streamflow Data Collection Sites in Subwatershed 05130204040. Subwatershed 05130204020010, 05130204020020, 05130204020030, and 05130204020040 boundaries are shown for reference. More information is provided in Harpeth-Appendix IV.

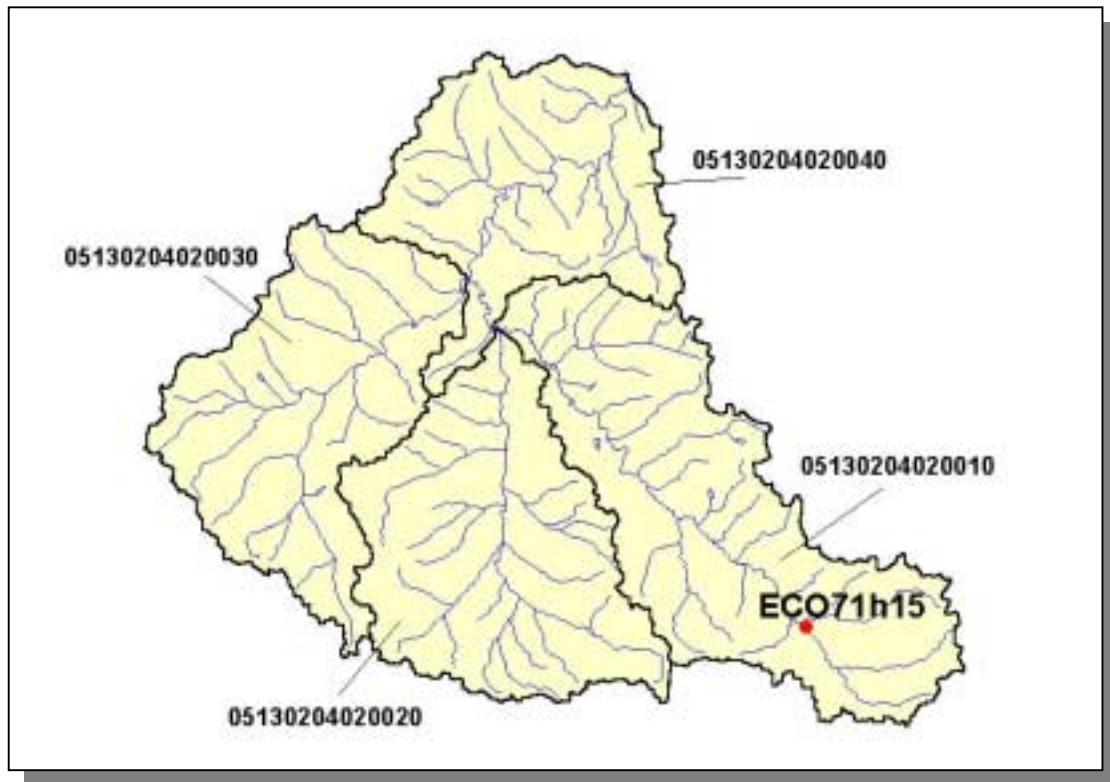


Figure 4-29. Location of STORET Monitoring Sites in Subwatershed 05130204040. Subwatershed 05130204020010, 05130204020020, 05130204020030, and 05130204020040 boundaries are shown for reference. More information is provided in Harpeth-Appendix IV.

4.2.D.ii. Point Source Contributions.



Table 4-30. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 05130204040. Subwatershed 05130204020010, 05130204020020, 05130204020030, and 05130204020040 boundaries are shown for reference. More information, including the names of facilities, is provided in Harpeth-Appendix IV.

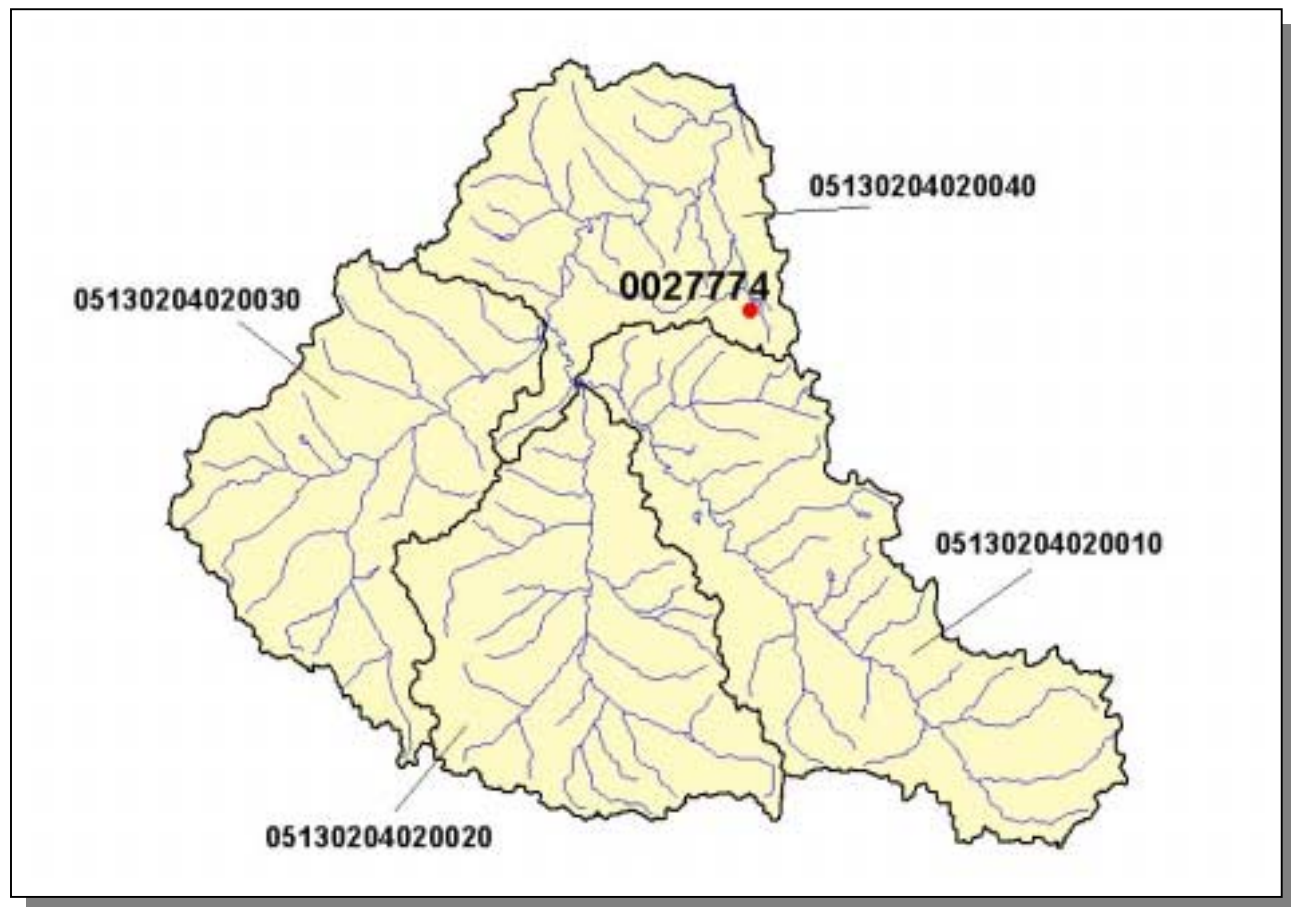


Figure 4-30. Location of Active Mining Sites in Subwatershed 05130204040. Subwatersheds 05130204020010, 05130204020020, 05130204020030, and 05130204020040 are shown for reference. More information, including the names of facilities, is provided in Harpeth-Appendix IV.

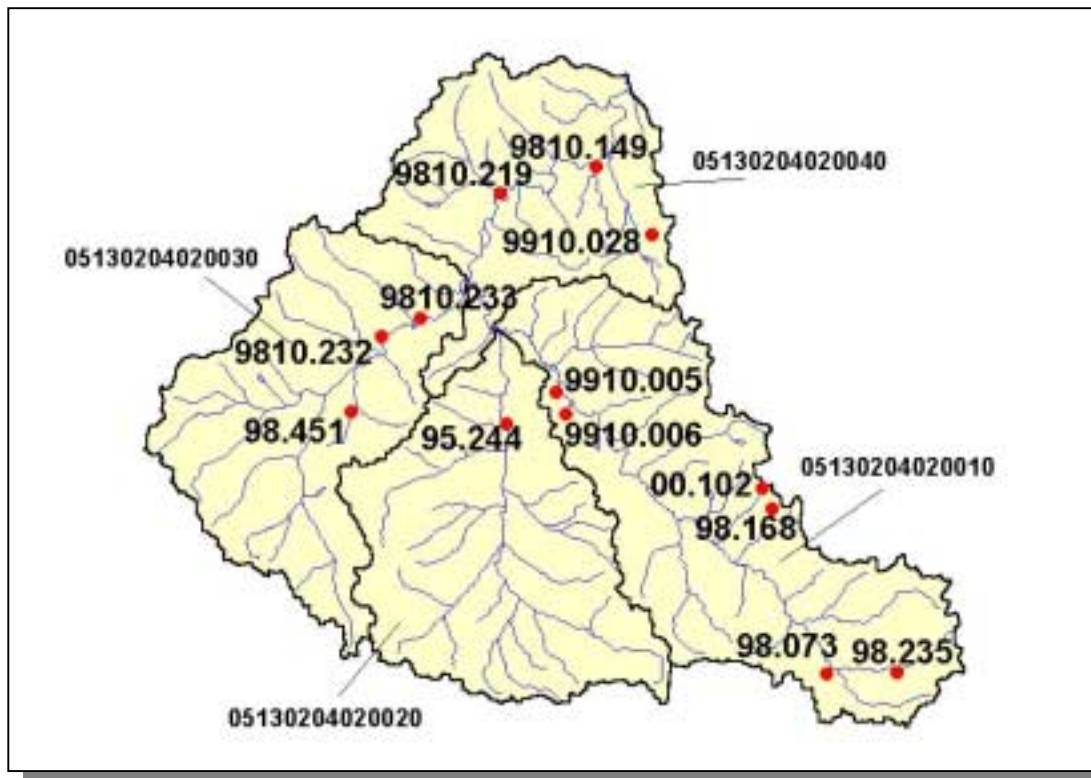


Figure 4-31. Location of ARAP Sites (Individual Permits) in Subwatershed 05130204040. Subwatershed 05130204020010, 05130204020020, 05130204020030, and 05130204020040 boundaries are shown for reference. More information is provided in Harpeth-Appendix IV.

4.2.D.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)					
Beef Cow	Milk Cow	Cattle	Chickens	Hogs	Sheep
6,148	516	11,871	12	677	172

Table 4-31. Summary of Livestock Count Estimates in Subwatershed 05130204040. According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Williamson	142	142	1	3.3

Table 4-32. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 05130204040.

CROPS	TONS/ACRE/YEAR
Legume Grass (Hayland)	0.14
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.31
Non Agricultural Land Use	0.00
Corn (Row Crops)	5.39
Soybeans (Row Crops)	3.35
Tobacco (Row Crops)	6.75
Wheat (Close Grown Cropland)	1.27
Grass (Hayland)	0.11
Legume (Hayland)	0.98
Other Cropland not Planted	6.46
Grass (Pastureland)	0.58
Grass, Forbs, Legumes (Mixed Pasture)	0.42
Other Land in Farms	0.12
Conservation Reserve Program Land	0.12
Legume (Pastureland)	0.33
All Other Row Crops	11.45

Table 4-33. Annual Soil Loss in Subwatershed 05130204040.